SECTION II.8

Scaled Plot Plan

- HMA Plant plot and elevation views – See Appendix B of the Modeling Protocol under Section I.5
- Aerial view of existing site

SECTION II.9

Proposed Emission Limits and Modeled Ambient Concentration for All Regulated Air Pollutants

- Modeled emission rates with calculations
- Copy of Form M1 – Summary of Air Impact Analysis Results
- Equipment layout for the site
- Receptor grid
- Graphical output for select pollutants and averaging periods
- TAPs Compliance Checklist
- Summary output for each modeling run
- Digital modeling files submitted under separate previous cover

Coeur d'Alene Paving
HMA Plant Modeled Emissions Rates for Criteria Pollutants
(See attached emission calculation spreadsheets for all pollutants.)

The 150 ton per hour plant provides a maximum daily throughput of 3,600 ton HMA/day. Daily hours of operation: A maximum of 24 hours per day, although an average of 14 hours per day is more likely. Emission rates are based on the maximum however.

Maximum 2000 hours per year.

Drum Dryer Emissions (DRYER)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.
PM_{10} = 3.45 lb/hr, 3.45 ton/yr; SO2 = 0.51 lb/hr, 0.51 ton/yr; CO = 19.5 lb/hr; NOx = 3.9 ton/yr

PM_{10} 24-hour: $\frac{3.45 \text{ lb } PM_{10}}{\text{hr}} \mid \frac{24 \text{ hr}}{24 \text{ hr}} = \frac{3.45 \text{ lb } PM_{10}}{\text{hr}}$

PM_{10} Annual: $\frac{3.45 \text{ ton } PM_{10}}{\text{yr}} \mid \frac{2000 \text{ lb}}{\text{ton}} \mid \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.79 \text{ lb } PM_{10}}{\text{hr}}$

SO2 3-hour: $\frac{0.51 \text{ lb SO2}}{\text{hr}}$

SO2 24-hour: $\frac{0.51 \text{ lb SO2}}{\text{hr}} \mid \frac{24 \text{ hr}}{24 \text{ hr}} = \frac{0.51 \text{ lb SO2}}{\text{hr}}$

SO2 Annual: $\frac{0.51 \text{ ton SO2}}{\text{yr}} \mid \frac{2000 \text{ lb}}{\text{ton}} \mid \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.12 \text{ lb SO2}}{\text{hr}}$

CO 1-hour and 8-hour: $\frac{19.5 \text{ lb CO}}{\text{hr}}$

NOx Annual: $\frac{3.9 \text{ ton NOx}}{\text{yr}} \mid \frac{2000 \text{ lb}}{\text{ton}} \mid \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.89 \text{ lb NOx}}{\text{hr}}$

Asphalt Loadout (LOADOUT)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.
PM_{10} = 0.078 lb/hr, 156 lb/yr; CO = 0.20 lb/hr

PM_{10} 24-hour: $\frac{0.078 \text{ lb } PM_{10}}{\text{hr}} \mid \frac{24 \text{ hr}}{24 \text{ hr}} = \frac{0.078 \text{ lb } PM_{10}}{\text{hr}}$

PM_{10} Annual: $\frac{156 \text{ lb } PM_{10}}{\text{yr}} \mid \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.018 \text{ lb } PM_{10}}{\text{hr}}$

CO 1-hour and 8-hour: $\frac{0.202 \text{ lb CO}}{\text{hr}}$

Asphalt Silo Filling (SILO)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.
PM_{10} = 0.078 lb/hr, 156 lb/yr; CO = 0.177 lb/hr

PM_{10} 24-hour: $\frac{0.078 \text{ lb } PM_{10}}{\text{hr}} \left| \frac{24 \text{ hr}}{24 \text{ hr}} \right. = \frac{0.078 \text{ lb } PM_{10}}{\text{hr}}$

PM_{10} Annual: $\frac{156 \text{ lb } PM_{10}}{\text{yr}} \left| \frac{\text{yr}}{8760 \text{ hr}} \right. = \frac{0.018 \text{ lb } PM_{10}}{\text{hr}}$

CO 1-hour and 8-hour: $\frac{0.177 \text{ lb CO}}{\text{hr}}$

Asphalt Tank Heater Emissions (HOTOIL)

Emissions inventory from attached emissions spreadsheet has the following maximum rates based on a maximum of 4800 hours operation per year.
PM_{10} = 0.00522 lb/hr, 25.06 lb/yr; SO2 = 0.000412 lb/hr, 0.0.000989 ton/yr; CO = 0.0576 lb/hr;
NOx = 0.165 ton/yr

PM_{10} 24-hour: $\frac{0.00522 \text{ lb } PM_{10}}{\text{hr}} \left| \frac{24 \text{ hr}}{24 \text{ hr}} \right. = \frac{0.00522 \text{ lb } PM_{10}}{\text{hr}}$

PM_{10} Annual: $\frac{25.06 \text{ lb } PM_{10}}{\text{yr}} \left| \frac{\text{yr}}{8760 \text{ hr}} \right. = \frac{0.00286 \text{ lb } PM_{10}}{\text{hr}}$

SO2 3-hour: $\frac{0.000412 \text{ lb SO2}}{\text{hr}}$

SO2 24-hour: $\frac{0.000412 \text{ lb SO2}}{\text{hr}} \left| \frac{24 \text{ hr}}{24 \text{ hr}} \right. = \frac{0.000412 \text{ lb SO2}}{\text{hr}}$

SO2 Annual: $\frac{0.000989 \text{ ton SO2}}{\text{yr}} \left| \frac{2000 \text{ lb}}{\text{ton}} \right| \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.000226 \text{ lb SO2}}{\text{hr}}$

CO 1-hour and 8-hour: $\frac{0.0576 \text{ lb CO}}{\text{hr}}$

NOx Annual: $\frac{0.165 \text{ ton NOx}}{\text{yr}} \left| \frac{2000 \text{ lb}}{\text{ton}} \right| \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.0377 \text{ lb NOx}}{\text{hr}}$

Aggregate Handling for 150 tph HMA Plant (MATHNDLO and MATHNDHI)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.

75% control for moderate measures - MATHNDLO
95% control for aggressive measures (wet spray) - MATHNDHI

PM_{10} 24-hour: $\frac{0.461 \text{ lb } PM_{10}}{\text{hr}} \mid \frac{24 \text{ hr}}{24 \text{ hr}} = \frac{0.461 \text{ lb } PM_{10}}{\text{hr}}$

PM_{10} Annual: $\frac{0.46 \text{ ton } PM_{10}}{\text{yr}} \mid \frac{2000 \text{ lb}}{\text{ton}} \mid \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.105 \text{ lb } PM_{10}}{\text{hr}}$

Moderate controls:

PM_{10} 24-hour: 0.461 lb/hr (1-0.75) = 0.115 lb/hr
PM_{10} annual: 0.105 lb/hr (1-0.75) = 0.026 lb/hr

Aggressive controls:

PM_{10} 24-hour: 0.461 lb/hr (1-0.95) = 0.023 lb/hr
PM_{10} annual: 0.105 lb/hr (1-0.95) = 0.005 lb/hr

Wind Speed	Scalar	**MATHNDLO**	**MATHNDHI**	
Category 1	0.101441	0.011701	0.002340	lb/hr
Category 2	0.425262	0.049051	0.009810	lb/hr
Category 3	0.897329	0.103502	0.020700	lb/hr
Category 4	1.686790	0.194561	0.038912	lb/hr
Category 5	2.669259	0.307883	0.061577	lb/hr
Category 6	3.767610	0.434572	0.086914	lb/hr

HMA Screening (HMASCRN)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.
PM_{10} emissions from AP42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing.

Emissions factor: 0.00074 lb PM_{10}/ton for controlled emissions

Daily PM_{10}:

$\frac{0.00074 \text{ lb } PM_{10}}{\text{ton}} \mid \frac{141 \text{ ton}}{\text{hour}} \mid \frac{1 \text{ screen}}{} = \frac{0.104 \text{ lb}}{\text{hr}}$

Annual PM_{10}

$\frac{0.00074 \text{ lb } PM_{10}}{\text{ton}} \mid \frac{282{,}000 \text{ ton}}{\text{yr}} \mid \frac{\text{yr}}{8760 \text{ hour}} \mid \frac{1 \text{ screen}}{} = \frac{0.024 \text{ lb}}{\text{hr}}$

HMA Aggregate Conveyor Transfers (HMACONVY)

Emissions inventory from attached emissions spreadsheet has the following maximum rates. Emissions were estimated using factors from AP42 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing

Emissions factor: 0.000046 lb PM_{10}/ton (controlled)

Daily PM_{10}:

$$\frac{0.000046 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{141 \text{ ton}}{\text{hour}} \right| 2 \text{ transfers} = \frac{0.013 \text{ lb}}{\text{hr}}$$

Annual PM_{10}

$$\frac{0.000046 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{282{,}000 \text{ ton}}{\text{yr}} \right| \frac{\text{yr}}{8760 \text{ hour}} \left| 2 \text{ transfers} \right. = \frac{0.003 \text{ lb}}{\text{hr}}$$

Truck Unloading of Aggregate (HMATRUCK)

Emissions inventory from attached emissions spreadsheet has the following maximum rates. PM_{10} emissions from AP42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing.

Emissions factor: 0.0001 lb PM_{10}/ton

Daily PM_{10}:

$$\frac{0.0001 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{141 \text{ ton}}{\text{hour}} \right. = \frac{0.0141 \text{ lb}}{\text{hr}}$$

Annual PM_{10}

$$\frac{0.0001 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{282{,}000 \text{ ton}}{\text{yr}} \right| \frac{\text{yr}}{8760 \text{ hour}} = \frac{0.003 \text{ lb}}{\text{hr}}$$

Crushing Plant Modeled Emissions Rates

(Crushing plant has an existing PBR for portable operations)

Emissions inventory from attached emissions spreadsheet has the following maximum rates. Emissions are based on a production rate of 9,000 ton/day (average 750 ton/hr for 12 hrs) and 450,000 ton/yr (50 operating days per year maximum, 600 hours per year).

The crushing operations are contracted out. The modeling is based on Wood's Crushing and Hauling Plant #1 consisting of the following equipment:

1. 750 tph Cedarapids Jaw Crusher
2. 750 tph Nordberg Jaw Crusher
3. 750 tph Cedarapids Cone Crusher
4. 750 tph Cedarapids Cone Crusher
5. 200 tph Pioneer Rolls Crusher
6. 2 Cedarapids Screens
7. 725 kW Caterpillar Diesel-Fired Generator

Truck Unloading of Aggregate (CR_TRUCK)

Emissions inventory from attached emissions spreadsheet has the following maximum rates. PM_{10} emissions from AP42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing.

Emissions factor: 1.6 E-5 lb PM_{10}/ton

Daily PM_{10}:

$$\frac{1.6\text{ E-5 lb PM}_{10}}{\text{ton}} \left| \frac{750\text{ ton}}{\text{hour}} \right| \frac{12\text{ hour}}{24\text{ hour}} = \frac{0.006\text{ lb}}{\text{hr}}$$

Annual PM_{10}

$$\frac{1.6\text{ E-5 lb PM}_{10}}{\text{ton}} \left| \frac{450{,}000\text{ ton}}{\text{yr}} \right| \frac{\text{yr}}{8760\text{ hour}} = \frac{0.0008\text{ lb}}{\text{hr}}$$

Screening (CR_SCRN)

Emissions inventory from attached emissions spreadsheet has the following maximum rates. PM_{10} emissions from AP42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing.

Emissions factor: 0.00074 lb PM_{10}/ton for controlled emissions

Daily PM_{10}

$$\frac{0.00074\text{ lb PM}_{10}}{\text{ton}} \left| \frac{750\text{ ton}}{\text{hr}} \right| \frac{12\text{ hour}}{24\text{ hour}} \left| \frac{2\text{ screens}}{} \right. = \frac{0.555\text{ lb}}{\text{hr}}$$

Annual PM_{10}

$$\frac{0.00074\text{ lb PM}_{10}}{\text{ton}} \left| \frac{450{,}000\text{ ton}}{\text{yr}} \right| \frac{\text{yr}}{8760\text{ hour}} \left| \frac{2\text{ screens}}{} \right. = \frac{0.076\text{ lb}}{\text{hr}}$$

Aggregate Conveyor Transfers (CR_CONVY)

Emissions inventory from attached emissions spreadsheet has the following maximum rates. Emissions were estimated using factors from AP42 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing

Emissions factor: 0.000046 lb PM_{10}/ton (controlled)

Daily PM_{10}

$$\frac{0.000046 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{750 \text{ ton}}{\text{hour}} \right| \frac{12 \text{ hour}}{24 \text{ hour}} \left| \frac{4 \text{ transfers}}{} \right. = \frac{0.069 \text{ lb}}{\text{hr}}$$

Annual PM_{10}

$$\frac{0.000046 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{450{,}000 \text{ ton}}{\text{yr}} \right| \frac{\text{yr}}{8760 \text{ hour}} \left| \frac{4 \text{ transfers}}{} \right. = \frac{0.0095 \text{ lb}}{\text{hr}}$$

Aggregate Handling Emissions (CR_AGG)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.

95% control for aggressive measures (wet spray); 750 tph; 12 hours per day; 600 hours per year

PM_{10} 24-hour: $\frac{1.227 \text{ lb } PM_{10}}{\text{hr}}$

PM_{10} Annual: $\frac{0.74 \text{ ton } PM_{10}}{\text{yr}} \left| \frac{2000 \text{ lb}}{\text{ton}} \right| \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.169 \text{ lb } PM_{10}}{\text{hr}}$

Aggressive controls:

PM_{10} 24-hour: 1.227 lb/hr (1-0.95) = 0.061 lb/hr
PM_{10} annual: 0.169 lb/hr (1-0.95) = 0.008 lb/hr

Wind Speed	Scalar	CR_AGG	
Category 1	0.101441	0.006224	lb/hr
Category 2	0.425262	0.026091	lb/hr
Category 3	0.897329	0.055054	lb/hr
Category 4	1.686790	0.103490	lb/hr
Category 5	2.669259	0.163768	lb/hr
Category 6	3.767610	0.231155	lb/hr

Crushers (CRUSHING)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.
PM_{10} emissions from AP42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing.

Emissions factor: 0.00054 lb PM_{10}/ton for controlled emissions for tertiary crushing.
There are no emissions factors for primary and secondary crushing – assumed to be negligible.
Two crushers for tertiary processing: 750 tph + 200 tph = 950 tph max.

Daily PM_{10}:

$$\frac{0.00054 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{950 \text{ ton}}{\text{hour}} \right| \frac{12 \text{ hour}}{24 \text{ hour}} = \frac{0.257 \text{ lb}}{\text{hr}}$$

Annual PM_{10}

$$\frac{0.00054 \text{ lb } PM_{10}}{\text{ton}} \left| \frac{950 \text{ ton}}{\text{hour}} \right| \frac{600 \text{ hour}}{8760 \text{ hour}} = \frac{0.035 \text{ lb}}{\text{hr}}$$

725 KW Generator for Crusher (DIESLGEN)

Emissions inventory from attached emissions spreadsheet has the following maximum rates.
12 hours per day and 600 hours per year maximum operation.
PM_{10} emissions from AP42 Section 3.4 Large Stationary Diesel Engines.

Daily PM_{10}:

$$\frac{0.39 \text{ lb } PM_{10}}{\text{hr}} \left| \frac{12 \text{ hr}}{\text{day}} \right| \frac{\text{day}}{24 \text{ hr}} = \frac{0.195 \text{ lb}}{\text{hr}}$$

Annual PM_{10}:

$$\frac{0.39 \text{ lb } PM_{10}}{\text{hr}} \left| \frac{600 \text{ hr}}{\text{yr}} \right| \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.027 \text{ lb}}{\text{hr}}$$

3-Hour SO_2:

$$\frac{0.034 \text{ lb } SO_2}{\text{hr}}$$

Daily SO_2:

$$\frac{0.034 \text{ lb } SO_2}{\text{hr}} \left| \frac{12 \text{ hr}}{\text{day}} \right| \frac{\text{day}}{24 \text{ hr}} = \frac{0.017 \text{ lb}}{\text{hr}}$$

Annual SO_2:

$$\frac{0.034 \text{ lb } SO_2}{\text{hr}} \left| \frac{600 \text{ hr}}{\text{yr}} \right| \frac{\text{yr}}{8760 \text{ hr}} = \frac{0.0023 \text{ lb}}{\text{hr}}$$

1-Hour and 8-Hour CO:

$$\frac{5.785 \text{ lb CO}}{\text{hr}}$$

Annual NO_x:

$$\frac{0.21.778 \text{ lb } NO_x}{\text{hr}} \left| \frac{600 \text{ hr}}{\text{yr}} \right| \frac{\text{yr}}{8760 \text{ hr}} = \frac{1.492 \text{ lb}}{\text{hr}}$$

Volume Source Modeling Parameters

Asphalt Loadout

Loadout silo is 12.8 m high, 3.5 m x 3.5m wide, and emits at the midpoint (6.4 m), approximately.
Initial dispersion coefficients:

σ_{y0} = 3.5 m / 4.3 = 0.81 m

σ_{z0} = 12.8 m / 2.15 = 5.95 m

Asphalt Silo

Silo is 12.8 m high, 3.5 m x 3.5m wide, and emits near the top (10 m), approximately.
Initial dispersion coefficients:

σ_{y0} = 3.5 m / 4.3 = 0.81 m

σ_{z0} = 12.8 m / 2.15 = 5.95 m

Aggregate Handling by Loader

Release emissions in model from a 10 m X 10 m area, 3 m high, released at 3 m

Initial dispersion coefficients:

σ_{y0} = 10 m / 4.3 = 2.33 m

σ_{z0} = 3 m / 4.3 = 0.70 m

Screening, Crushing, Conveyors, Truck Unloading

Release emissions for each activity modeled as volume sources, each as a 10 m X 10 m area, 5 m high, released at 4 m

Initial dispersion coefficients:

σ_{y0} = 10 m / 4.3 = 2.33 m

σ_{z0} = 5 m / 4.3 = 1.16 m

Point Source Modeling Parameters

Drum Dryer

Modeled according to site and plot plans.
Stack height = 11.08 m; stack diameter = 0.79 m; temperature = 408 K; velocity = 23.8 m/s

Asphalt Tank Heater

Modeled according to site and plot plans.
Stack height = 3.57 m; stack diameter = 0.20 m; temperature = 616 K; velocity = 2.47 m/s

Diesel Generator

Model at center of crusher area on site.
Stack height = 4.27 m; stack diameter = 0.20 m; temperature = 884 K; velocity = 60.3 m/s

Building Parameters

Although no buildings or significant structures are within 5L or the point sources, two buildings' and the hot oil tank's parameters were included in the modeling.

Main building on the site (BLDG1): 108 feet long, 75 feet wide, and 25 feet tall.
Hot oil tank (OIL_TANK): 35 feet long; 10.5 feet wide; 11 feet tall.
Control House (CNTRLHSE): 16 feet long; 10 feet wide; 20 feet tall.

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

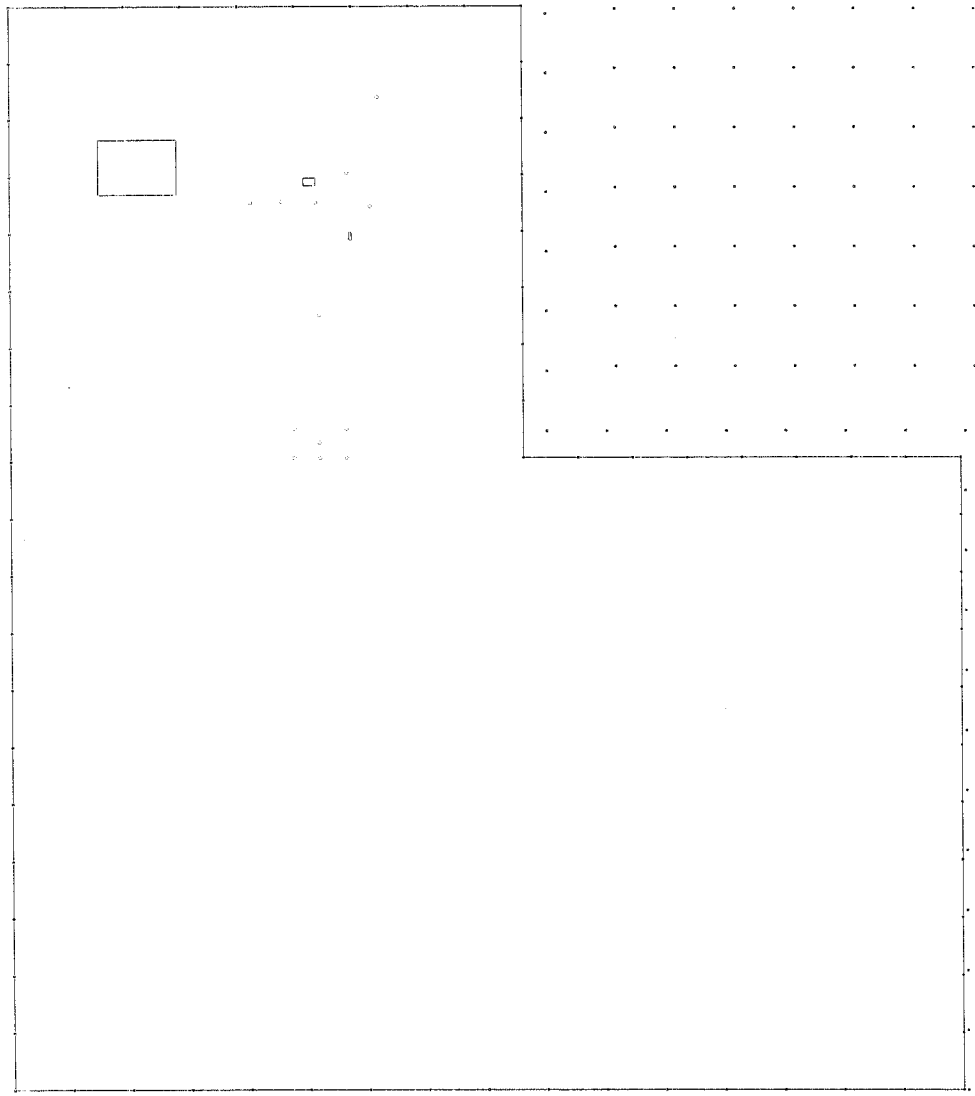
PERMIT TO CONSTRUCT APPLICATION
Coeur d'Alene Paving - Rathdrum HMA Plant
6/16/2008

Company Name:	Coeur d'Alene Paving, Inc.
Facility Name:	Rathdrum Plant
Facility ID No.:	777-00432
Brief Project Description:	New asphalt production facility (with Permit By Rule crushing operations included).

SUMMARY OF AIR IMPACT ANALYSIS RESULTS

Spokane Met Data								
Criteria Pollutants	**Averaging Period**	**Full Impact Analysis Results (µg/m3)**		**Total Impact* (µg/m3)**	**Background Concentration (µg/m3)**	**Total Ambient Impact (µg/m3)**	**NAAQS (µg/m3)**	**Percent of NAAQS (Project vs NAAQS)**
		HMA	**Crushing**					**HMA + Crushing**
PM_{10}	24-hour	25.28	35.65	36.00	73	109.0	150	24%
	Period	6.88	5.10	9.18	26	35.2	50	18%
SO_2	3-hr	3.33	0.85	3.39	34	37.4	1300	0%
	24-hr	2.10	0.51	2.18	26	28.2	365	1%
	Period	0.25	0.06	0.27	8	8.3	80	0%
NO_2	Period	0.52	2.67	2.87	17	19.9	100	3%
CO	1-hr	141.57	165.85	166.04	3,600	3,766.0	40000	0%
	8-hr	116.04	129.45	129.70	2,300	2,429.7	10000	1%
Toxic Air Pollutants	**Averaging Period**	**Full Impact Analysis Results (µg/m3)**					**AACC**	**Percent of AACC (Project vs AACC)**
Hexavalent Chromium	Period	0.00001					0.000083	12%
Total PAHs	Period	0.01250					0.014	89%
POM	Period	0.00027					0.0003	90%
Nickel	Period	0.00105					0.0042	25%
Formaldehyde	Period	0.05889					0.077	76%
Cadmium	Period	0.00001					0.00056	2%
Benzene	Period	0.00697					0.12	6%
Arsenic	Period	0.00001					0.00023	4%

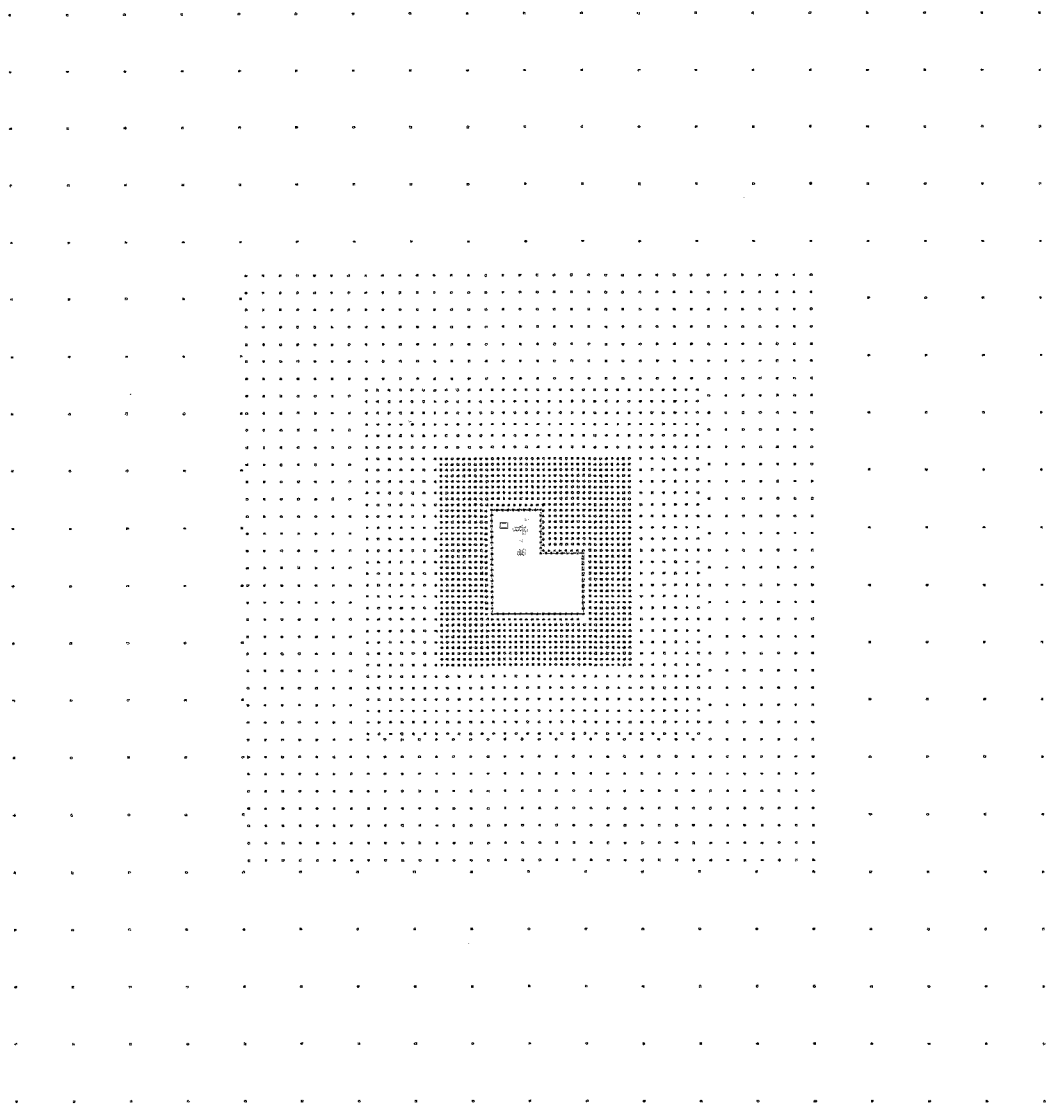
Coeur d'Alene Paving, Inc. Equipment Layout



Coeur dAlene Paving - 150 ton/hr Rathdrum Site

Scale: 1" = 80.2 Meters

Coeur d'Alene Paving, Inc. Receptor Grid

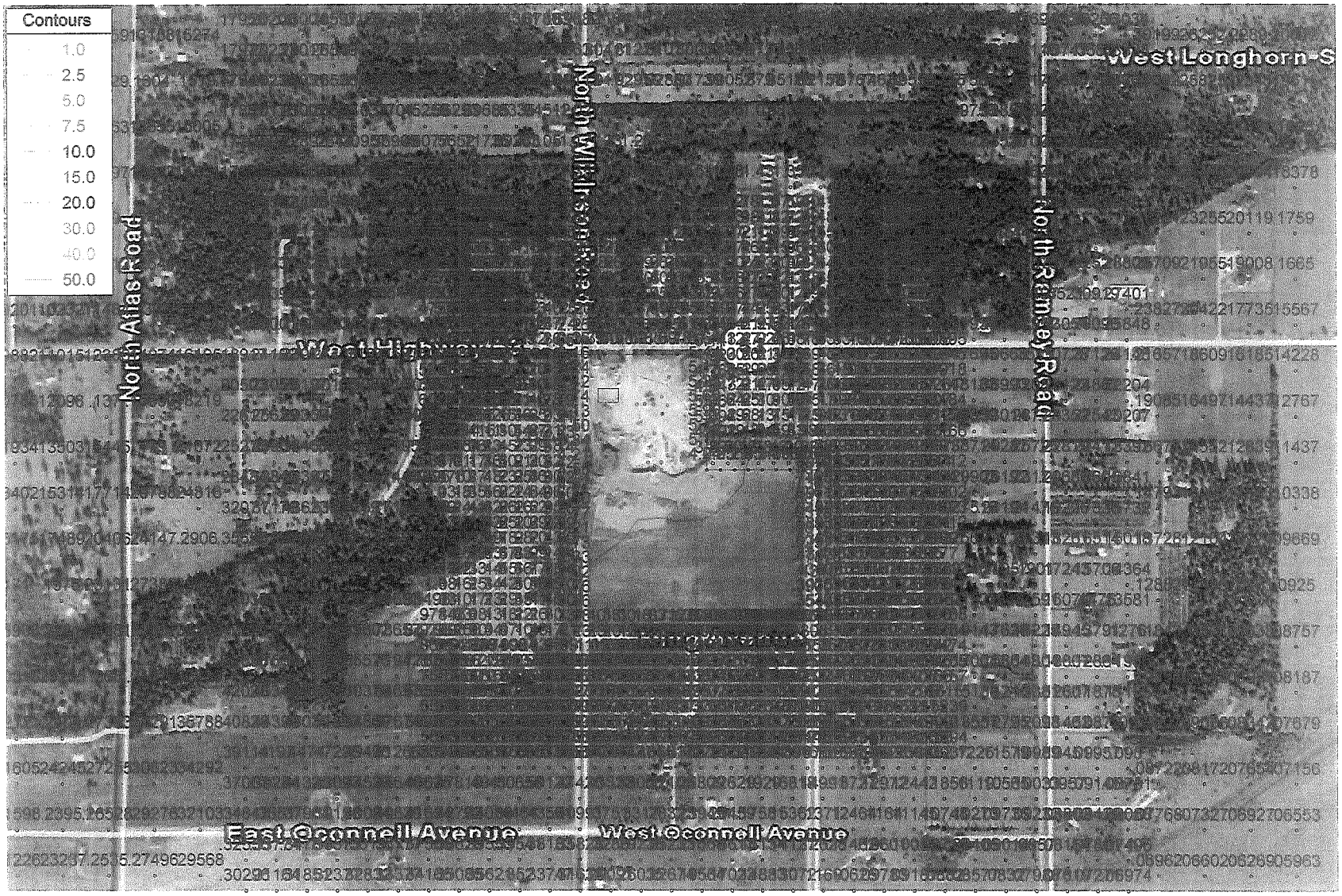


Coeur dAlene Paving - 150 ton/hr Rathdrum Site

Scale: 1" = 837.8 Meters

PM10

Coeur dAlene Paving - 150 ton/hr Rathdrum Site



Scale: 1" = 249.1 Meters

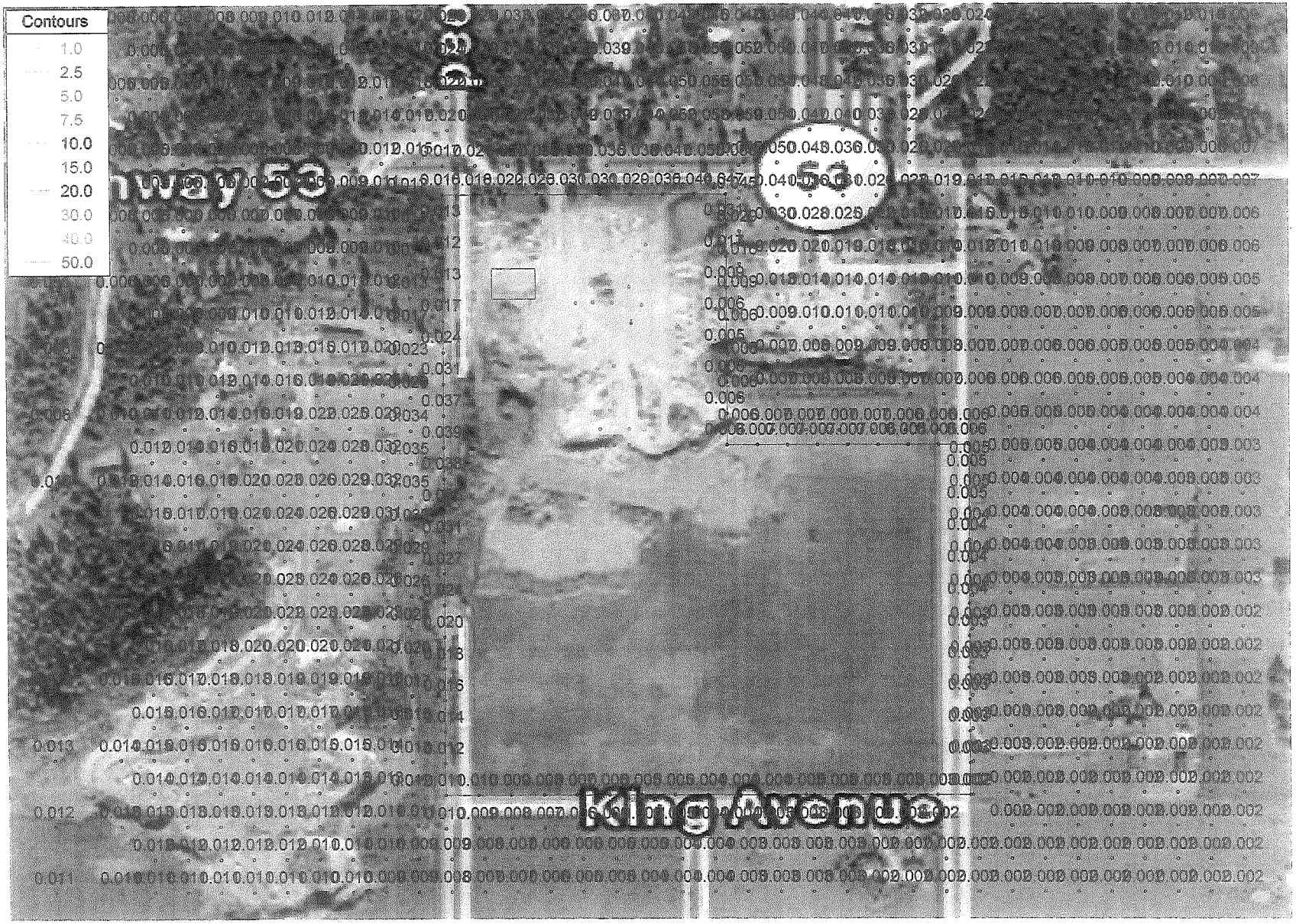
PERIOD VALUES FOR GROUP: ALL

Max = 9.18387 (13.2, 76.2)

Formaldehyde

Coeur dAlene Paving - 150 ton/hr Rathdrum Site

G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_FORMALDE.GRF



Scale: 1" = 110.7 Meters

PERIOD VALUES FOR GROUP: ALL

Max = 0.05889 (75, 125)

Department of Environmental Quality - Air Quality Division
Toxic Air Pollutant (TAP) Preconstruction Compliance Application Completeness Checklist

This checklist is designed to aid the applicant in submitting a complete preconstruction compliance demonstration for toxic air pollutants (TAPs) in permit to construct applications.

I. Actions Needed Before Submitting Application

☒ Refer to the Rule. Read the Demonstration of Preconstruction Compliance with Toxic Standards contained in IDAPA 58.01.01.210 (Section 210) Rules for the Control of Air Pollution in Idaho. Toxic air pollutants are regulated in accordance with Section 210 only from emission units constructed or modified on or after July 1, 1995.

Determine if a new (constructed after June 30, 1995) emission unit has the potential to emit a toxic air pollutant (TAP) listed in IDAPA 58.01.01.585 (Section 585) or IDAPA 58.0101.586 (Section 586). Potential toxic air pollutants can be determined by reviewing commonly available emission factors, such as EPA's AP-42, or calculating emissions using a mass balance. For toxic air pollutants that are emitted but not listed in Section 585 and 586, contact the Air Permit Hotline at 877-5PERMIT.

Determine if the proposed construction or modification is exempt from the need to obtain a permit to construct in accordance with IDAPA 58.01.01.220-223. Use the Exemption Criteria and Reporting Requirements for Toxic Air Pollutants IDAPA 58.01.01.223 checklist to assist you in the exemption determination. For all sources that do not qualify for an exemption in accordance with IDAPA 58.01.01.220-223 complete the following checklist and submit it with the permit application. Please note that fugitive TAP emissions are not included in the IDAPA 58.01.01.223 exemption determination, but fugitive TAP emissions are included in the analysis if a permit is required.

Will the new or modified source result in new or increased emissions of toxic air pollutants?

☒ Yes. If yes, continue to section II.

☐ No. If no, no further action is required.

II. Application Content

If a new source has the potential to emit a TAP, or if a modification to an existing source increases the potential to emit of a TAP, then one of the following methods (A-J) of demonstrating TAP preconstruction compliance must be documented for each TAP. Standard methods are one of A-C. The applicant may also use one of the specialized methods in D-J. Fugitive TAP emissions shall be included in the analysis. The compliance methods are based on the requirements of Section 210. Applicants are often able to demonstrate preconstruction TAP compliance using a combination of methods A and B.

Emission Calculations

Emissions calculation methodologies used are dependent on whether a specific TAP is a non-carcinogen or a carcinogen and whether the compliance method chosen from the list below calls for controlled or uncontrolled emissions. Non-carcinogens are regulated as a 24-hour averaged increment and values used for comparison to the non-carcinogen screening emissions level (EL) should be the maximum controlled or uncontrolled emissions quantity during any 24-hour period divided by 24. Carcinogens are regulated as a long term increment and values used for

comparison to the carcinogen EL should be the maximum controlled or uncontrolled emissions quantity during any 1 year period divided by 8760.

Modeling Analyses

Atmospheric dispersion modeling is required when applicable TAP emissions quantities exceed ELs. Modeling analyses should be conducted in accordance with IDAPA 58.01.01.210.03. Quantification of Ambient Concentrations and the State of Idaho Air Quality Modeling Guideline (http;//www.deq.idaho.gov/air/data_reports/publications.cfm#model). For non-carcinogen 24-hour increments, compliance is demonstrated using the maximum modeled 24-hour-averaged concentration from available meteorological data (typically a five-year data set). For carcinogen long-term increments, compliance is demonstrated using the maximum modeled average concentration for the duration of the data set (one-year to five-year data set).

A submitted modeling report should clearly specify modeled emissions rates and results. All electronic model input files should be submitted, including BPIP input files.

Compliance Methods

Fill in letter(s) (A-J) from the list below for TAP compliance demonstration method(s) used:

C (facility operational limit of 2,000 hours per year).

A. TAPs Compliance Using Uncontrolled Emissions (Section 210.05)

☐ Calculate the uncontrolled emissions (Section 210.05) of each TAP from new emissions units. Uncontrolled emission rates are emissions at maximum capacity without the effect of physical or operational limitations. See Quantification of Emission Rates (Section 210.02). Show calculations and state all assumptions.

☐ Calculate the increase of TAP emissions from modified emissions units. Show calculations and state all assumptions. The increase in emissions for a modified emission unit is determined by subtracting the potential to emit the TAP before the modification from the uncontrolled potential to emit after the modification. In conducting this analysis please note the following for TAP emission rate increase determinations:

Uncontrolled emission rates after the modification are emissions at maximum capacity without the effect of physical or operational limitations.

When determining the emissions increase from existing permitted emissions units the emission rate before the modification is equivalent to the emission limits contained in the permit for the TAPs or, if there no emission limits in the permit, by determining what the emission rate is under the physical or operational limitations contained in the permit.

☐ Aggregate the uncontrolled emissions for each TAP from all new emissions units with the increase in emissions from all modified emissions units.

☐ If the aggregated emissions increase for each TAP from the new and modified units, as determined above, are less than or equal to the respective TAP screening emissions level (EL) then preconstruction compliance with toxic standards has been demonstrated and no further analysis is required. Submit a table comparing the uncontrolled emissions rate to the applicable EL.

If aggregated emissions are greater than the respective screening emissions level (EL) for any pollutants, use another compliance demonstration method for those pollutants, such as methods B, C, or D.

B. TAP Compliance Using Uncontrolled Ambient Concentration (Section 210.06)

☐ Determine the uncontrolled emissions of each TAP from new emission units and the increase in emissions from all modified emissions units as described above in compliance Method A. Show calculations and state all assumptions.

☐ Model the uncontrolled emissions of each TAP from new emissions units and the increase in emissions from all modified emissions units.

☐ If the uncontrolled ambient concentration is less than or equal to the acceptable ambient concentration increment listed in Section 585 and 586 no further procedures for demonstrating preconstruction compliance will be required for that toxic air pollutant as part of the application process. Submit a table comparing uncontrolled ambient concentrations to the applicable acceptable ambient concentration.

C. TAP Compliance Using Controlled Ambient Concentrations (Section 210.08)

☒ Determine the controlled emissions from new emissions units and the controlled emission increase from modified emissions units. Show all calculations and state all assumptions, including the control methods.

☒ Model the controlled emissions of each TAP from new emissions units and the increase in controlled emissions from all modified emissions units.

☒ If the controlled ambient concentration from emission increases from new emissions units and modified emissions units is less than the applicable acceptable ambient concentration no further procedures for demonstrating preconstruction compliance are required.

☒ The Department shall include an emission limit for the toxic air pollutant in the permit to construct that is equal to or, if requested by the applicant, less than the emission rate that was used in the modeling (Section 210.08.c).

In some instances the Department may consider a throughput limit or other inherently-limiting operational restriction in a permit as an effective emission limit for the TAP, rather than a TAP-specific emissions limit. Note that the applicant may model uncontrolled emissions as described in compliance Method B in an attempt to avoid TAPs emissions limitations.

D. TAPs Compliance for NSPS and NESHAP Sources (Section 210.20)

☐ If the owner or operator demonstrates that the toxic air pollutant from the source or modification is regulated by the Department or EPA at the time of the permit issuance under 40 CFR Part 60, 40 CFR Part 61 or 40 CFR Part 63, no further procedures for demonstrating preconstruction compliance will be required for that toxic air pollutant.

☐ Provide a demonstration that the toxic air pollutant is regulated under 40 CFR Part 60, 40 CFR Part 61 or 40 CFR Part 63. This demonstration must be specific for each TAP emitted.

E. TAP Compliance Using Net Emissions (Section 210.09)

An applicant may use TAP net emissions to show preconstruction compliance; however this analysis may require more work than some of the others procedures available to demonstrate preconstruction compliance. When netting, emissions increases and decreases of the TAP that have occurred within five years must be included in the analysis as described below.

☐ Determine the net emission increase for a TAP. A net emissions increase shall be an emission increase from a particular modification plus any other increase and decreases in actual emissions at the facility that are creditable and contemporaneous with particular modification (Section 210.09). Show all calculations and state all assumptions.

☐ A creditable increase or decrease in actual emissions is contemporaneous with a particular modification if it occurs within five (5) years of the commencement of the construction or modification (Section 210.09.a).

Actual emissions are (Section 006.03):

☐ In general, actual emissions as of a particular date shall equal the average rate, in tons per year, at which the unit actually emitted the pollutant during a two year period which precedes the particular date and which is representative of normal source operation. The Department shall allow the use of a different time period upon a determination that it is more representative of normal source operation. Actual emissions shall be calculated using the unit's actual operating hours, productions rates, and types of materials processed, stored, or combusted during the selected time period.

☐ The Department may presume that the source-specific allowable emissions for the unit are equivalent to actual emissions of the unit.

☐ For any emission unit (except electric utility steam generating units) that has not begun normal operations on the particular date, actual emissions shall equal the potential to emit of the unit on that date.

☐ Do not include emissions increases from emission units that have an uncontrolled emission rate that is 10% or less than the applicable screening emission level (EL) in Section 585 and 586 (Section 007.09.c.ii) and do not include emission increases from environmental remediation sources (Section 007.09.c.iii). Show all calculations and state all assumptions.

☐ If the net emission increase is less than or equal to the applicable screening emissions level (EL) listed in Section 585 and 586, no further procedures for demonstrating preconstruction compliance will be required (Section 210.09.c).

☐ The Department shall include emission limits and other permit terms for the toxic air pollutant in the permit to construct that will assure that the facility will be operated in the manner described in the preconstruction compliance demonstration (Section 210.09.d).

In some instances the Department may consider a throughput limit or other inherently-limiting operational restriction in a permit as an effective emission limit for the TAP, rather than a TAP-specific emissions limit.

F. TAP Compliance Using Net Ambient Concentration (Section 210.10)

☐ Determine the emission increase from the new source or modification, and all other creditable emission increases and decrease using the methods described above in compliance Method E.

☐ Model the emissions increases and decreases for each TAP. Modeling TAP decreases is accomplished by using negative valued emissions rates in the model input.

☐ If the net ambient concentration is less than or equal to the applicable ambient concentration increment listed in Section 585 and 586, no further procedures for demonstrating preconstruction compliance are required.

☐ The Department shall include emission limits and other permit terms for the toxic air pollutant in the permit to construct that will assure that the facility will be operated in the manner described in the preconstruction compliance demonstration (Section 210.10.d).

In some instances the Department may consider a throughput limit or other inherently-limiting operational restriction in a permit as an effective emission limit for the TAP, rather than a TAP-specific emissions limit.

G. TAP Compliance Using T-RACT Ambient Concentration for Carcinogens (Section 210.12)

The applicant may use T-RACT to demonstrate preconstruction compliance for toxic air pollutants listed in Section 586 only.

T-RACT is an emissions standard based on the lowest emission of toxic air pollutants that a particular source is capable of meeting by application of control technology that is reasonably available, as determined by the Department, considering technological and economic feasibility. If control technology is not feasible, the emission standard may be based on the application of a design, equipment, work practice or operational requirement, or combination thereof (Section 007.16).

T-RACT Submittal Requirements

☐ The applicant shall submit the following information to the Department identifying and documenting which control technologies or other requirements the applicant believes to be T-RACT (Section 210.14).

The technical feasibility of a control technology or other requirements for a particular source shall be determined considering several factors including but not limited to:

- ☐ Process and operating procedures, raw materials and physical plant layout.
- ☐ The environmental impacts caused by the control technology that can not be mitigated, including but not limited to, water pollution and the production of solid wastes.
- ☐ The energy requirements of the control technology.

The economic feasibility of a control technology or other requirement, including the costs of necessary mitigation measures, for a particular source shall be determined considering several factors including, but not limited to:

- ☐ Capital costs.
- ☐ Cost effectiveness, which is the annualized cost of the control technology divided by the amount of emission reduction.
- ☐ The difference in costs between the particular source and other similar sources, if any, that have implemented emissions reductions.

☐ Compare the source's or modification's approved T-RACT ambient concentration to the applicable acceptable ambient concentration increment listed in Section 586 multiplied by a factor of 10. If the sources approved T-RACT concentration is less than or equal to 10 times the applicable acceptable ambient concentration increment listed in Section 586, no further procedures for demonstrating preconstruction compliance will be required.

☐ If an application is submitted to the Department without T-RACT and determined complete, and T-RACT is later determined to be applicable the completeness determination of the application will be revoked until a supplemental application is submitted and determined complete. When the supplemental application is determined complete, the timeline for agency action shall be reinitiated (Section 210.13.b).

☐ If the Department determines that the source has proposed T-RACT, the Department shall develop emission standards to be incorporated into a permit to construct.

In some instances, the Department may consider a throughput limit or other inherently limiting operational restriction in a permit as an effective emission limit for the TAP, rather than a TAP-specific emissions limit.

H. TAP Compliance Using the Short Term Source Factor (Section 210.15)

☐ For short term sources, the applicant may utilize a short term adjustment factor of ten (10) only for a carcinogenic pollutant listed in Section 586. For a carcinogen listed in Section 586 multiply either the applicable acceptable ambient concentration increment or the screening emission rate (EL), but not both, by ten (10) to demonstrate preconstruction compliance (Section 210.15).

☐ A short term source is any new stationary source or modification to an existing source, with an operational life no greater than five (5) years from the inception of any operations to cessation of actual operations (Section 210.15).

I. TAP Compliance for Environmental Remediation Sources (Section 210.16)

☐ For remediation sources subject to or regulated by the Resource Conservation and Recovery Act and the Idaho Rules and Standard for Hazardous Waste, or the comprehensive Environmental Response, Compensation and Liability Act or a consent order, if the estimated ambient concentration is greater than the acceptable ambient impact increment listed in Section 585 and 586, Best Available Control Technology shall be applied and operated until the estimated uncontrolled emission from the remediation source are below the applicable acceptable ambient concentration increment (Section 210.16).

J. TAP Compliance Using Offset Ambient Concentration (Section 210.11)

☐ Contact the Department prior to proposing to utilize Offset Ambient Concentrations to demonstrate preconstruction compliance.

☐ Emission offsets must satisfy the requirements for emission reduction credits (Section 460).

- The proposed level of allowable emissions must be less than the actual emissions of the emissions units providing the offsets (Section 460.01).
- An air quality permit must be issued that restricts the potential to emit of the emission unit providing the offset.
- Emission reduction imposed by local, state or federal regulations or permits shall not be allowed.

☐ Compare the source's or modifications approved emission offset ambient concentration to the applicable acceptable ambient concentration listed in Section 585 and 586. If the source's or modifications approved offset concentration is less than the acceptable ambient concentration listed in Section 585 and 586, no further procedures for demonstrating preconstruction compliance will be required.

☐ The Department shall include emission limits and other permit terms for the toxic air pollutant in the permit to construct that will assure that the facility will be operated in the manner described in the preconstruction compliance demonstration (Section 210.10.d).

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 11:00:22 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_PMTEN.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_PMTEN.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 15
Number of source groups - 3
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.43469E+00	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	
HOTOIL	0	0.65720E-03	-11.3	-21.3	718.7	3.57	616.48	2.47	0.20	YES	NO	NO	
DIESLGEN	0	0.24570E-01	-24.4	-106.7	718.7	4.27	883.71	60.30	0.20	NO	NO	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
MATHNDLO	0	0.14490E-01	0.0	38.1	718.7	3.00	2.33	0.70	NO	WSPEED
MATHNDHI	0	0.28980E-02	-24.4	-53.3	718.7	3.00	2.33	0.70	NO	WSPEED
LOADOUT	0	0.98278E-02	-12.8	6.4	718.7	6.40	0.81	5.95	NO	
SILO	0	0.98278E-02	-12.8	6.4	718.7	10.00	0.81	5.95	NO	
HMACONVY	0	0.16380E-02	-25.9	-6.1	718.7	4.00	2.33	1.16	NO	
CR_AGG	0	0.76859E-02	-24.3	-113.0	718.7	3.00	2.33	0.70	NO	WSPEED
CR_SCRN	0	0.69929E-01	-35.0	-113.0	718.7	4.00	2.33	1.16	NO	
CR_TRUCK	0	0.75599E-03	-13.0	-101.0	718.7	4.00	2.33	1.16	NO	
CR_CONVY	0	0.86939E-02	-13.0	-113.0	718.7	4.00	2.33	1.16	NO	
CRUSHING	0	0.32381E-01	-35.0	-101.0	718.7	4.00	2.33	1.16	NO	
HMASCRN	0	0.13104E-01	-40.3	-5.7	718.7	4.00	2.33	1.16	NO	
HMATRUCK	0	0.17766E-02	-53.2	-6.2	718.7	4.00	2.33	1.16	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL DRYER , MATHNDLO, MATHNDHI, LOADOUT , SILO , HMACONVY, HOTOIL , CR_AGG , DIESLGEN, CR_SCRN , CR_TRUCK, CR_CONVY, CRUSHING, HMASCRN , HMATRUCK,

HMA DRYER , MATHNDLO, MATHNDHI, LOADOUT , SILO , HMACONVY, HOTOIL , HMASCRN , HMATRUCK,

CRUSH_OP CR_AGG , DIESLGEN, CR_SCRN , CR_TRUCK, CR_CONVY, CRUSHING,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PMTEN IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	9.18387 AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC	
	2ND HIGHEST VALUE IS	8.69289 AT (	-10.70,	76.20,	718.72,	718.72,	0.00)	DC	
	3RD HIGHEST VALUE IS	7.30610 AT (	37.10,	76.20,	718.72,	718.72,	0.00)	DC	
	4TH HIGHEST VALUE IS	6.65457 AT (	-34.60,	76.20,	718.72,	718.72,	0.00)	DC	
	5TH HIGHEST VALUE IS	6.40937 AT (	21.00,	98.00,	718.72,	718.72,	0.00)	DC	
	6TH HIGHEST VALUE IS	6.34995 AT (	-4.00,	98.00,	718.72,	718.72,	0.00)	DC	
	7TH HIGHEST VALUE IS	5.90473 AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC	
	8TH HIGHEST VALUE IS	5.87703 AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC	
	9TH HIGHEST VALUE IS	5.79408 AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC	
	10TH HIGHEST VALUE IS	5.76211 AT (	-29.00,	98.00,	718.72,	718.72,	0.00)	DC	
HMA	1ST HIGHEST VALUE IS	6.88312 AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC	
	2ND HIGHEST VALUE IS	6.24470 AT (	-10.70,	76.20,	718.72,	718.72,	0.00)	DC	
	3RD HIGHEST VALUE IS	5.15657 AT (	37.10,	76.20,	718.72,	718.72,	0.00)	DC	
	4TH HIGHEST VALUE IS	4.52933 AT (	21.00,	98.00,	718.72,	718.72,	0.00)	DC	
	5TH HIGHEST VALUE IS	4.35011 AT (	-4.00,	98.00,	718.72,	718.72,	0.00)	DC	
	6TH HIGHEST VALUE IS	4.11992 AT (	-34.60,	76.20,	718.72,	718.72,	0.00)	DC	
	7TH HIGHEST VALUE IS	4.11664 AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC	
	8TH HIGHEST VALUE IS	3.67842 AT (	-29.00,	98.00,	718.72,	718.72,	0.00)	DC	
	9TH HIGHEST VALUE IS	3.62945 AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC	
	10TH HIGHEST VALUE IS	3.43163 AT (	25.00,	125.00,	718.72,	718.72,	0.00)	DC	
CRUSH_OP	1ST HIGHEST VALUE IS	5.10105 AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC	
	2ND HIGHEST VALUE IS	5.03571 AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC	
	3RD HIGHEST VALUE IS	4.52617 AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC	
	4TH HIGHEST VALUE IS	4.48651 AT (	61.00,	-18.40,	718.72,	718.72,	0.00)	DC	
	5TH HIGHEST VALUE IS	4.35450 AT (	71.00,	-52.00,	718.72,	718.72,	0.00)	DC	
	6TH HIGHEST VALUE IS	4.14276 AT (	71.00,	-27.00,	718.72,	718.72,	0.00)	DC	
	7TH HIGHEST VALUE IS	4.08597 AT (	71.00,	-77.00,	718.72,	718.72,	0.00)	DC	
	8TH HIGHEST VALUE IS	3.74971 AT (	61.00,	5.30,	718.72,	718.72,	0.00)	DC	
	9TH HIGHEST VALUE IS	3.62732 AT (	71.00,	-2.00,	718.72,	718.72,	0.00)	DC	
	10TH HIGHEST VALUE IS	3.53247 AT (	61.00,	-113.00,	718.72,	718.72,	0.00)	DC	

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PMTEN IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-
ALL	HIGH	1ST HIGH VALUE IS	97.32681c	ON 87122724: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	49.61795c	ON 87122724: AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
	HIGH	3RD HIGH VALUE IS	40.21457c	ON 87020924: AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC
	HIGH	4TH HIGH VALUE IS	37.64069c	ON 87012024: AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC
	HIGH	5TH HIGH VALUE IS	36.78116c	ON 91081324: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	6TH HIGH VALUE IS	36.00241c	ON 87012024: AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
HMA	HIGH	1ST HIGH VALUE IS	29.18705c	ON 90123124: AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	27.07062	ON 90020924: AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	3RD HIGH VALUE IS	26.91773	ON 89110924: AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	4TH HIGH VALUE IS	26.57954	ON 90111024: AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	5TH HIGH VALUE IS	25.70531	ON 90021024: AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	6TH HIGH VALUE IS	25.27667	ON 89011524: AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
CRUSH_OP	HIGH	1ST HIGH VALUE IS	97.06243c	ON 87122724: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	48.63982c	ON 87122724: AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
	HIGH	3RD HIGH VALUE IS	39.09902c	ON 89020624: AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
	HIGH	4TH HIGH VALUE IS	37.27600c	ON 87012024: AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC
	HIGH	5TH HIGH VALUE IS	35.70491c	ON 91012424: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	6TH HIGH VALUE IS	35.65493c	ON 91081324: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 19:57:36 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_SO2.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_SO2.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 3
Number of source groups - 3
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.64259E-01	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	
HOTOIL	0	0.51911E-04	-11.3	-21.3	718.7	3.57	616.48	2.47	0.20	YES	NO	NO	
DIESLGEN	0	0.42839E-02	-24.4	-106.7	718.7	4.27	883.71	60.30	0.20	NO	NO	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER , HOTOIL , DIESLGEN,
HMA	DRYER , HOTOIL ,
CRUSH_OP	DIESLGEN,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.27187 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.26384 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.26366 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.25532 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.25498 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.25415 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.25395 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.25307 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.24378 AT (	75.00,	175.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.24230 AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC
HMA	1ST HIGHEST VALUE IS	0.24837 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.24341 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.23956 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.23418 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.23359 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.23183 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.22781 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.22614 AT (	75.00,	175.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.22584 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.22215 AT (	100.00,	175.00,	718.72,	718.72,	0.00)	DC
CRUSH_OP	1ST HIGHEST VALUE IS	0.06077 AT (	61.00,	-18.40,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.05980 AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.05521 AT (	61.00,	5.30,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.05347 AT (	71.00,	-27.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.05195 AT (	71.00,	-2.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.04995 AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.04808 AT (	71.00,	-52.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.04737 AT (	61.00,	28.90,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.04624 AT (	71.00,	23.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.03981 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC

*** THE SUMMARY OF HIGHEST 3-HR RESULTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-
ALL	HIGH	1ST HIGH VALUE IS	3.39157	ON 90101724: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	3.38061	ON 90020306: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
HMA	HIGH	1ST HIGH VALUE IS	3.33270	ON 90101724: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	3.32525	ON 89102103: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
CRUSH_OP	HIGH	1ST HIGH VALUE IS	0.84763	ON 88021524: AT (	61.00,	-113.00,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	0.82999	ON 91121221: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-
ALL	HIGH	1ST HIGH VALUE IS	2.17614	ON 90110924: AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	2.08369	ON 90112224: AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC
HMA	HIGH	1ST HIGH VALUE IS	2.10345	ON 90110924: AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	2.02142	ON 90112224: AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC
CRUSH_OP	HIGH	1ST HIGH VALUE IS	0.50895	ON 90012324: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	0.44118	ON 90012324: AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 19:00:04 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_NOX.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_NOX.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 3
Number of source groups - 3
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.11214E+00	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	
HOTOIL	0	0.47501E-02	-11.3	-21.3	718.7	3.57	616.48	2.47	0.20	YES	NO	NO	
DIESLGEN	0	0.18799E+00	-24.4	-106.7	718.7	4.27	883.71	60.30	0.20	NO	NO	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER , HOTOIL , DIESLGEN,
HMA	DRYER , HOTOIL ,
CRUSH_OP	DIESLGEN,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	2.86576 AT (	61.00,	-18.40,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	2.77193 AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	2.70134 AT (	61.00,	5.30,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	2.49771 AT (	71.00,	-27.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	2.49406 AT (	71.00,	-2.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	2.40439 AT (	61.00,	28.90,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	2.31142 AT (	71.00,	23.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	2.30835 AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	2.23098 AT (	71.00,	-52.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	2.13149 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC
HMA	1ST HIGHEST VALUE IS	0.52436 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.51842 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.51430 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.51230 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.51034 AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.49782 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.48750 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.48464 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.47451 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.47050 AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
CRUSH_OP	1ST HIGHEST VALUE IS	2.66658 AT (	61.00,	-18.40,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	2.62431 AT (	61.00,	-42.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	2.42258 AT (	61.00,	5.30,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	2.34648 AT (	71.00,	-27.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	2.27973 AT (	71.00,	-2.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	2.19184 AT (	61.00,	-65.70,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	2.10999 AT (	71.00,	-52.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	2.07866 AT (	61.00,	28.90,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	2.02911 AT (	71.00,	23.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	1.74701 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 17:38:13 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_CO.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_CO.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 5
Number of source groups - 3
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.24570E+01	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	
HOTOIL	0	0.72574E-02	-11.3	-21.3	718.7	3.57	616.48	2.47	0.20	YES	NO	NO	
DIESLGEN	0	0.72890E+00	-24.4	-106.7	718.7	4.27	883.71	60.30	0.20	NO	NO	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
LOADOUT	0	0.25452E-01	-12.8	6.4	718.7	6.40	0.81	5.95	NO	
SILO	0	0.22302E-01	-12.8	6.4	718.7	10.00	0.81	5.95	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER , LOADOUT , SILO , HOTOIL , DIESLGEN,
HMA	DRYER , LOADOUT , SILO , HOTOIL ,
CRUSH_OP	DIESLGEN,

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	166.03546	ON 88021522: AT (	61.00,	-113.00,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	165.68883	ON 87121123: AT (	61.00,	-113.00,	718.72,	718.72,	0.00)	DC
HMA	HIGH	1ST HIGH VALUE IS	141.57253	ON 87061422: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	141.06252	ON 88072104: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
CRUSH_OP	HIGH	1ST HIGH VALUE IS	165.84767	ON 88021522: AT (	61.00,	-113.00,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	165.48880	ON 87121123: AT (	61.00,	-113.00,	718.72,	718.72,	0.00)	DC

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID			AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	129.70352	ON 90012324: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	123.87895	ON 91120924: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
HMA	HIGH	1ST HIGH VALUE IS	116.04472	ON 87112408: AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	107.87349	ON 88101608: AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
CRUSH_OP	HIGH	1ST HIGH VALUE IS	129.45340	ON 90012324: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC
	HIGH	2ND HIGH VALUE IS	123.58408	ON 91120924: AT (	61.00,	-89.30,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 23:38:02 ***

Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_HEX_CR.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_HEX_CR.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources -	1
Number of source groups -	2
Number of receptors -	2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.19404E-05	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER ,
HMA	DRYER ,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF HEX_CR IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00001 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00001 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00001 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00001 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00001 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00001 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00001 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00001 AT (	75.00,	175.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00001 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00001 AT (	100.00,	175.00,	718.72,	718.72,	0.00)	DC
HMA	1ST HIGHEST VALUE IS	0.00001 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00001 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00001 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00001 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00001 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00001 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00001 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00001 AT (	75.00,	175.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00001 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00001 AT (	100.00,	175.00,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 14:23:41 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_TOTALPAH.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_TOTALPAH.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 4
Number of source groups - 2
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.80891E-03	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	
HOTOIL	0	0.89207E-07	-11.3	-21.3	718.7	3.57	616.48	2.47	0.20	YES	NO	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
LOADOUT	0	0.87317E-04	-12.8	6.4	718.7	6.40	0.81	5.95	NO	
SILO	0	0.12499E-03	-12.8	6.4	718.7	10.00	0.81	5.95	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER , LOADOUT , SILO , HOTOIL ,
HMA	DRYER , LOADOUT , SILO , HOTOIL ,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF TOTALPAH IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01250 AT (	-10.70,	76.20,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.01205 AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.01189 AT (	-34.60,	76.20,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.01125 AT (	37.10,	76.20,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00992 AT (	-4.00,	98.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00991 AT (	21.00,	98.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00980 AT (	-29.00,	98.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00962 AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00935 AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00855 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC
HMA	1ST HIGHEST VALUE IS	0.01250 AT (	-10.70,	76.20,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.01205 AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.01189 AT (	-34.60,	76.20,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.01125 AT (	37.10,	76.20,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00992 AT (	-4.00,	98.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00991 AT (	21.00,	98.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00980 AT (	-29.00,	98.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00962 AT (	46.00,	98.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00935 AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00855 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 15:29:50 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_POM.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_POM.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 4
Number of source groups - 2
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.23688E-05	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	
HOTOIL	0	0.54053E-09	-11.3	-21.3	718.7	3.57	616.48	2.47	0.20	YES	NO	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
LOADOUT	0	0.19908E-05	-12.8	6.4	718.7	6.40	0.81	5.95	NO	
SILO	0	0.29106E-05	-12.8	6.4	718.7	10.00	0.81	5.95	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER , LOADOUT , SILO , HOTOIL ,
HMA	DRYER , LOADOUT , SILO , HOTOIL ,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF POM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00027 AT (	-10.70,	76.20,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00026 AT (	-34.60,	76.20,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00025 AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00022 AT (	37.10,	76.20,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00020 AT (	-29.00,	98.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00020 AT (	-4.00,	98.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00019 AT (	21.00,	98.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00017 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00017 AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00017 AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC
HMA	1ST HIGHEST VALUE IS	0.00027 AT (	-10.70,	76.20,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00026 AT (	-34.60,	76.20,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00025 AT (	13.20,	76.20,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00022 AT (	37.10,	76.20,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00020 AT (	-29.00,	98.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00020 AT (	-4.00,	98.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00019 AT (	21.00,	98.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00017 AT (	61.00,	52.60,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00017 AT (	61.00,	76.20,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00017 AT (	-58.40,	76.20,	718.72,	718.72,	0.00)	DC

*** AERMOD - VERSION 07026 ***
*** Coeur dAlene Paving - 150 ton/hr Rathdrum Site ***
*** Model Executed on 06/15/08 at 21:35:11 ***
Input File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_NICKEL.DTA

Output File - G:\Beework\CDA_Paving\CDA Paving 30\CDA Paving 30 Spokane with Crusher and DG_1987_NICKEL.LST

Met File - G:\Beework\CDA_Paving\SAND.2005\Spok87-91.SFC

Number of sources - 1
Number of source groups - 2
Number of receptors - 2758

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
DRYER	0	0.27216E-03	-3.0	-7.6	718.7	11.08	408.15	23.79	0.79	NO	NO	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	DRYER ,
HMA	DRYER ,

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF NICKEL IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00105 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00103 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00101 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00099 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00099 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00098 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00096 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00096 AT (	75.00,	175.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00095 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00094 AT (	100.00,	175.00,	718.72,	718.72,	0.00)	DC
HMA	1ST HIGHEST VALUE IS	0.00105 AT (	75.00,	125.00,	718.72,	718.72,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00103 AT (	75.00,	150.00,	718.72,	718.72,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00101 AT (	50.00,	125.00,	718.72,	718.72,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00099 AT (	50.00,	150.00,	718.72,	718.72,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00099 AT (	100.00,	150.00,	718.72,	718.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00098 AT (	100.00,	125.00,	718.72,	718.72,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00096 AT (	75.00,	100.00,	718.72,	718.72,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00096 AT (	75.00,	175.00,	718.72,	718.72,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00095 AT (	71.00,	98.00,	718.72,	718.72,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00094 AT (	100.00,	175.00,	718.72,	718.72,	0.00)	DC